IN THE U.S. PATENT AND TRADEMARK OFFICE

APPLICANTS: Norden Huang

SERIAL NO.:

ART GROUP UNIT:

FILED:

FOR: COMPUTING INSTANTANEOUS FREQUENCY BY NORMALIZING

HILBERT TRANSFORM

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

May 8, 2003

Sir:

Pursuant to 37 C.F.R. § 1.97 and 1.98, applicants hereby submit an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents submitted for consideration by the Office are listed on PTO/SB/08A, attached hereto.

II. COPIES

Submitted herewith is a legible copy of each U.S. patent.

III. CONCISE EXPLANATION OF THE RELEVANCE

All of the patents are in the English language or were cited in an English language Search Report, a copy of which is attached hereto (concise explanation not required).

No payment is necessary as this Information Disclosure Statement is being filed with a national application thereof.

If The Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 14-0116.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. §§ 1.16 or 1.17 to Deposit Account No. 14-0116.

Respectfully submitted,

Chan K. Park

Date

Reg. No. 48,175

Code 503/Office of Patent Counsel NASA Goddard Space Flight Center Greenbelt, Maryland 20771 (301) 286-7351

Enclosures:	X	PTO/SB/	08A	
	X	Reference	ces (4)	
		Foreign	Search	Report
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Examiner Name Attorney Docket Number GSC 14,673-1 of |2 Sheet 1

U. S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
	 	Number-Kind Code ^{2 (if known)}	<u> </u>		rigules Appeal		
		^{US-} 5,983,162	1,1/09/99	Norden Huang			
		^{US-} 6,381,559	4/30/02	Norden Huang			
- ;		US- 6,311,130	10/30/01	Norden Huang			
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Examiner Cite		Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language

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PTO/SB/08B (04-03)
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INFORMATION DISC	CLOSURE	Filing Date	7			
STATEMENT BY AF	PPLICANT	First Named Inventor	Norden Huang) .		
		Art Unit				
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Sheet 2 of	2	Attorney Docket Number	(65C 14, 623-1)		

NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. NORDEN HUANG, The empirical decomposition and the Hilbert spectrum for nonlinear and non-stationary time series analysis, Proc. of The Royal Society, pp903-995					
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